PIANO, ORGAN AND VIOLIN —TOOLS—

Catalogue No. 142

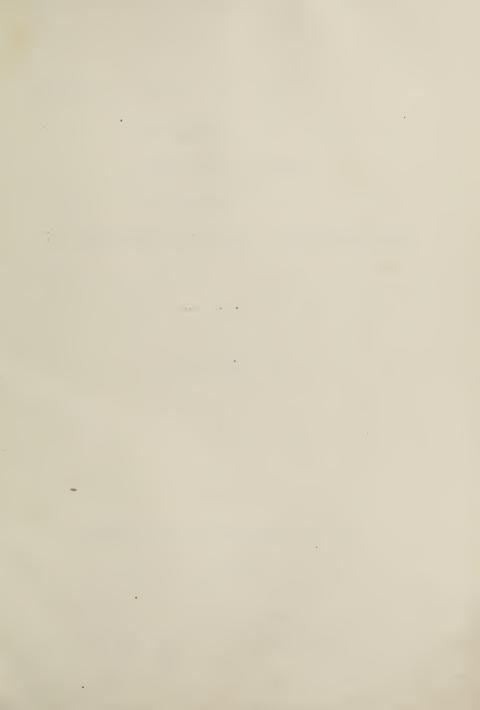


HAMMACHER SCHLEMMER & Co.

209 BOWERY ... NEW YORK

SINCE 1848 =







TOOLS FOR & & APPLIANO ORGAN AND VIOLIN

MAKERS', TUNERS' and REGULATORS'

Catalogue No. 142

HAMMACHER, SCHLEMMER & CO.

Piano, Cabinet and Builders' Hardware Tools for all Trades & & & &

209 Bowery, New York
SINCE 1848



NOTICE.

RDERS will be executed as promptly as possible and at lowest current rates consistent with quality. Our terms are net cash, 30 days, except where parties are unknown to us or have no commercial rating, in which case we ship C. O. D., and when so sent collection charges are added to the invoice, an expense which customers may save by remitting with order. Four pounds or less can be sent by mail for 1c. per ounce (always at consignee's risk), where express service is not obtainable or not desirable, but postage must be paid by consignee. Express companies will not accept C. O. D. packages where amount to be collected is less than \$1.00.

The Clearing House Association of New York City, which includes all banks, has adopted a rule compelling banks to charge exchange on out-of-town checks, and for this reason we are obliged to require our customers to remit in funds payable in New York upon which we can realize without expense.

HAMMACHER, SCHLEMMER & CO.

NEW YORK, N. Y.

Digitized by the Internet Archive in 2017 with funding from Boston Public Library

GUARANTY

The following does **not** include Cutting Nippers, Second Quality Tools or Imported Tools.

WE WARRANT

Tools purchased from us to be perfect in material and temper, to be free from flaws, and to do the work for which they are recommended.

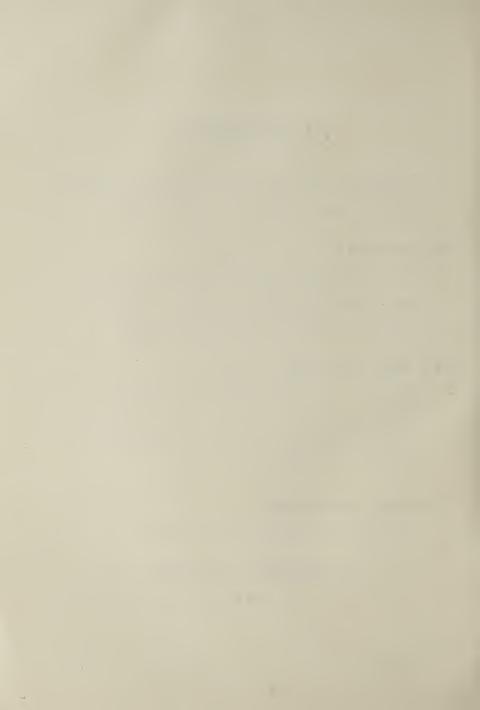
WE WILL REPLACE

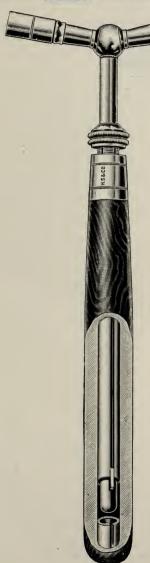
Any that may prove defective in either of the above particulars, BUT CAN NOT undertake to replace tools that break through misuse or carelessness where the steel is sound.

WE WILL EXCHANGE

Any tool that has not been damaged.

HAMMACHER, SCHLEMMER & CO.
209 Bowery, New York, Since 1848





PATENTED Oct. 3, 1899

MUELLER'S EXTENSION TUN-ING HAMMERS.

We are now making our MUELLER

TUNING HAMMERS

with Aluminum as well as Rosewood Handles.

Aluminum makes an exceptionally strong, in fact almost indestructible handle, is no heavier than the Rosewood and in appearance is handsome.

The nut at the top of the handle holds the rod firmly at any point.

There is no projecting set screw to mar the rod nor get out of order, nor break off.

The lug at the bottom of the rod works in a slotted tube inside the handle.

It does away with the twisting and turning that is the cause of so much annoyance in the old style hammers, and is in fact a superior hammer in every respect, the material and workmanship throughout being the best obtainable and fully guaranteed.

-			васп.
No.	01.	Rosewood handle,	
		double square	\$8.00
6 6	01A.	Aluminum handle,	
		double square	9.00
6.6	02.	Rosewood handle,	
		double oblong	8.00
6.6	02A.	Aluminum handle,	
		double oblong	9.00
6.6	02B.	Rosewood handle,	
		single star	7.00
4.6	04A.	Rosewood handle	
		only	-4.25

Above prices are net and subject to change without notice.



EXTENSION TUNING HAMMERS.



One-third size cut.

No.	1.	H. S. & C	o. First	quality r	osewood 1	ıandle	, double	square. I	Each,	\$7 50
4.6	2.			"	6.6			oblong.		7.50
4.6	2A.	6.6		"	4.4	66	single	star	"	6.50
4.6	3.	Second	quality	rosewoo	d handle,	doubl	e squar	e	44	4.85
6.6	4.	6.6	6.6	"	"	4.6	oblon	g	6.6	4.85
4.6	4A.	H. S. &	Co. F	irst qual	ity rosew	ood h	andle c	nly	"	3.75
6.6	4B.	Second	quality	rosewoo	d handle	only			"	2.45



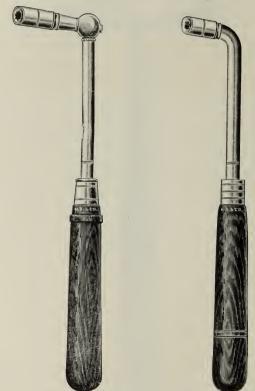


One-third size cut.

No. 5.	First quality, double square	Each, g	55.45
'' 6.	" " oblong	1.6	5.45
'' 6A.	Imported double square	6 6	1 10
" 6B.	" oblong	6.6	1.10



One-third size cuts.



Nos. 7, 8 and 9.

Nos. 7A and 8A.

No.	7.*	First q	uality,	upright,	square.	 	 	 	 	 	.Each,	\$3.50
"	7A.	6.6	"	"	"	 	 	 	 	 	. "	1.90
6.6	8.*	6.6	6.6	"	star,	 	 	 	 	 	- 66	4.00
				"								
4.6	9.	Second	1 ''	"	square	 	 	 	 	 	. "	2.75
ale w	W									_		

*Nos. 7 and 8 Hammers are now made with a "new standard" thread, making them much stronger than the old style.

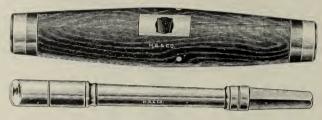


One-half size cut.

No.	10.	First Qu	ıality,	plain	square	ach,	\$1.75
4.6	11.	"	"	6.6	oblong	6.6	1.75
6.6	12.	Second	"	6.6	square	4.6	1.35
6.6	13.	44	6.6	6.6	oblong	"	1.35
6.6	13A.	Importe	ed, pla	in squ	are	6.6	.50
"	13B.	"	6	obl	ong	6.6	.50



One-half size cuts.



No.	14.	First qu	iality,	socket	square	Each,	\$3.75
"	15.	"	"	"	oblong	٠.	3.75
4.6	16.	6.6	"	tube o	nly, square	"	1.60
6.6	17.	"	66	"	" oblong	6.6	1.60
"	18.	Socket	handl	e only	(will also fit tuning pin extractor		
		No.	45)			6.6	2.20

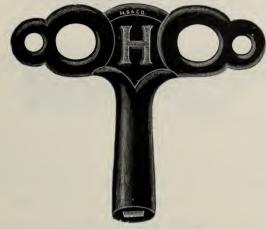


For Zither Pins-Ebonized Handle.

No.	18A.	First	quality	y			Per doz.	, \$1.55	Each,	\$0.16
"	18B.	Secon	ıd ''					1.00	66	.10
]	In ord	lering	, state	whether	they are	wanted t	o fit No.	5 or 5½	zither	pins.



HARP KEYS.



Full size cut.

Per gro. Per doz.

No. 18C. Japanned malleable iron to fit No. 5 zither pins....\$1.40 \$0.15

TUNING HAMMER HEADS.



Full size cut of 21/4 in.

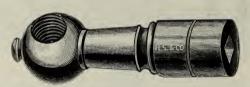
Each.

No. 19. First quality, single star head, $2, 2\frac{1}{2}, 2\frac{1}{2}, 2\frac{3}{4}$ or 3 in. long..... \$2.75 (We send $2\frac{1}{2}$ in. when no size is stated in order).

In ordering Star Heads to fit a No. 7 or 8 Tuning Hammer, state whether head is wanted for the "new standard" thread or the old style thread.

Above prices are net and subject to change without notice.

TUNING HAMMER HEADS.



Full size cut of 21/4 in.

Each.

No. 20. First quality, single square head, 2, 2¼, 2½, 2¾ or 5 in. long. \$2.20

" 21. Second " " " 2, 2¼, 2½, 2¾ " 3 " " 1.70

(We send 2½ in. when no size is stated in order).

In ordering Square Heads to fit a No. 7 or 8 Tuning Hammer, state whether head is wanted for the "new standard" thread or the old style thread.



Two-third size cut.

No.	22.	First qu	ality,	double	square	head		Each,	\$3.75
"	23.	44	"	" "	oblong	"	• • • • • • • • • • • • • • • • • • • •	. "	3.75
"	24.	${\tt Second}$	"		square	"	*****************	. "	2.40
6 6	25.	6.6	"	"	oblong	4 6	• • • • • • • • • • • • • • • • • • • •	. "	2.40

PIANO DRILL STOCKS.



Best Quality Rosewood Handle, Ivory Pulley.

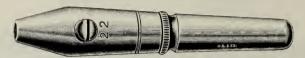
DRILL BOWS.



CATGUT STRINGS.

In 20-foot lengths.

PADS.



Full size cut of No. 32.

No. 32.	Brass pads for drills Nos. 6, 8, 10, 12, 14, 16, 18, 20, 22, 23, 24,
	25, 26, 27, 28, 29, 30, 35, 40, 44, 48, 49 and 52 (Stubs' drill
	guage)Per doz., \$3.60 Each, \$0.33
" 32A.	Brass pads, extra large, with two set screws, $\frac{7}{32}$, $\frac{1}{4}$, $\frac{9}{32}$ inch,
	for tuning pin bits
" 32B.	Same as No. 32, with two set screws, for drills Nos. 6, 8, 10,
	12 and 14 (Stubs' drill gauge)Per doz., \$4.30 Each, .40

COUNTERSINKS.



Full size cut of No. 33A.

No.	33.	Rose	countersinks	for drill	stocks,	5 in.	face.	 Each,	\$0.42
66	33A.	6.6	"	"	"	7	"	 66	.42
6.6	33B.	Snail	6.6		6.6	7 6	"	 6.6	.42



Full size cut.

No. 33C. Double cut countersink for drill stock, $\frac{7}{16}$ in. face.....Each, \$0.42



COUNTERSINKS.



Two-third size cut.



Two-third size cut of 35B.



Full size cut.



DOWEL POINTERS.



Two-third size cut.

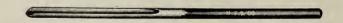
No. 35C. For $\frac{5}{16}$, $\frac{3}{8}$ and $\frac{1}{2}$ inch dowels (other sizes to order).... Each, \$0.65

BITS.



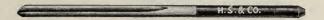
One-half size cut of No. 36

				U	116.1	nan size cut of No. 50.	
						Per doz.	Each.
No.	36.	Black	spoon	bits,	for	brace, $\frac{3}{16}$, $\frac{7}{32}$, $\frac{7}{4}$, $\frac{9}{32}$ and $\frac{5}{16}$ in	\$0.23
4.6	36A.	"	"	"	. 6	tuning pins, Nos. $0,00$ or $000$3.25$.33

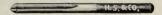


				O	ne half size cut of No. 37.		
						doz.	Each
No.	37.	Wrest p	lanl	k bit	s, Nos. 6, 8, 10, 12, 14, 16, 18 and 20		
		(Stul	os' d	lrill g	gauge), 6 in. long\$2	.35	\$0.24
6.6	37A.	Tuning	pin	bits,	for Nos. 0, 00 or 000 pins, 4 in. long 2	.34	.24
"	37B.	66	"	"	$\frac{13}{64}$ and $\frac{7}{32}$ in , 4 in. long	.35	.24

BITS.



Two-third size cut.



Two-third size cut.

No. 39. Small piano bits, Nos. 23, 26, 29, 35, 40, 44, 48, 49 and 52 (Stubs' drill gauge), 2¼ in. long...Per doz., \$0.90 Each, \$0.09



Two-third size cut.



One-half size cut.

No. 40A. Centre key counterbore, $\frac{9}{64}$ in. drill, $\frac{19}{64}$ counterbore. Each, \$0.65

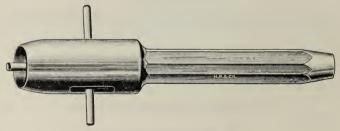


BITS.



Two third size cut of No. 41A.

PUNCHES.



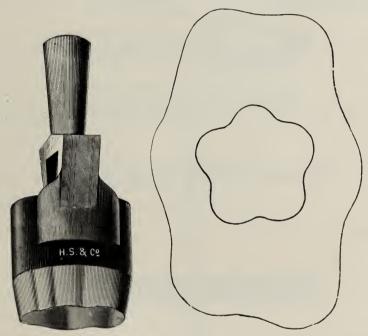
One-half size cut No. 42, 7/8 in.

No. 42. Center punches. Each, $\frac{\frac{5}{16}}{\$25}$ $\frac{3}{2.25}$ $\frac{2.45}{2.45}$ $\frac{2.65}{2.95}$ $\frac{3.25}{3.50}$ $\frac{3.50}{3.50}$



No. 42B. Round punches for regulating and lifter button punchings...... $\begin{cases} 24 & \frac{9}{32} & \frac{7}{16} & \frac{11}{32} & \frac{3}{8} \text{ in.} \\ 230 & 2.84 & 2.84 & 5.27 & 5.27 \\ 240 & 280 & 280 & 280 & 280 & .28 & .28 & .38 & .38 \end{cases}$

VENEER PUNCHES.



The smaller cut represents the general shape of the round, and the larger cut the general shape of the oval.

1	No.	1	2	3	4
	,	11/4-11/2	15/8-17/8	2-21/4	2½-3 in.
No. 42C. Round Ea	ach,	\$2.00	2.25	2.50	2.75
" 42D, Oval	6 6	2.00	2.25	2.50	2.75

We can make to order, in short time, any size and shape of Veneer Punch, from either a sketch or sample.



PUNCHES.



One-half size cut.

No. 43.	Oval punch	Each, \$2.20
---------	------------	--------------



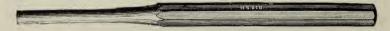
One-half size cut.

No. 44. Punch for marking	Each,	\$0.45
---------------------------	-------	--------



One-half size cut.

No. 45. Punch for driving tuning	pins	Each, \$0.45.
----------------------------------	------	---------------



One-half size cut.



PUNCHES.



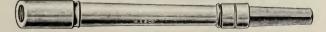
Full size cut.

No. 46A. Punch for driving out center pins..... Each, \$0,22

TUNING PIN EXTRACTORS.



One-half size cut.



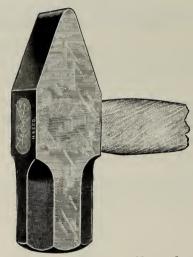
One-half size cut.

No. 45B. Tuning pin extractor, for socket handles No. 18......Each, \$1.15

Above prices are net and subject to change without notice.



HAMMERS FOR TUNING PINS.



No. 2 3 4 5 6 Weight without handles, 2 2½ 3 3½ 4½ lbs.

No. 126. Hammers for driving tuning pins. Per doz., \$5.60 6.00 6.40 6.80 7.60 Each, .56 .60 .64 .68 .76

STUBS' REAMERS.



(Sizes given are taken at the widest part).

No. 47. Stubs' reamers. Per doz., \$\frac{15}{81.47} \frac{20}{1.24} \frac{25}{1.02} \frac{30}{0.90} \frac{35}{0.83} \frac{40}{0.68} \frac{45}{0.68} \frac{50}{0.68} \frac{60.68}{0.68} \frac{13}{0.40} \frac{1.24}{0.90} \frac{1.24}

Per doz. \$2.03 2.48 2.93 3.60 Each. ... 19 23 .27 .84

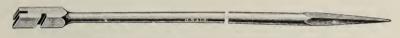


HANDLES.



No. 47C. Rosewood, 4;in. x 3/8, 1/2, 5/8, 3/4;in. ferrules..........\$0.55 \$0.06

REGULATORS.



One-half size cut.



One-half size cut.



One-half size cut.

Above prices are net and subject to change without notice.



REGULATORS.



One-half size cut.

No. 48C. Damper wire regulator......Each, \$0.45



One-half size cut.

SPOON BENDERS.



One-half size cut.

No. 48E. Spoon Bender......Each, \$0.50

REGULATING SCREW-DRIVERS.



Two-third size cut of No. 49.



SPACERS.

	0
No. 51. " 52.	One-half size cut. Key spacer, 9 in. long
No. 53.	One-half size cut. Back check spacer, bent
No. 54.	One-half size cut. Back check spacer, straight Each, \$0.20
	REAMERS.
No. 55.	Two-third size cut. Key reamer
No. 55A	Two-third size cut. . Key reamer



TWEEZERS.



One-half size cut.

No.	56.	Piano	tweezers	6	in.	long	 		 ٠.		 		 	. Each,	\$0.40
4.6	57.	6.6	"	7	"		 		 	 	 ٠.	 	 	. "	.45
6.6	57A.	"	"	8	"		 		 	 	 	 	 	. "	.60



One-half size cut.

No.	57B.	Imported	tweezers,	5 in	. lor	ıg	Per doz	., \$1.20	Each	, \$0.12
"	57D.	**	"	51/2	"		"	1.35	"	.14
6.6	57C.	66	"	6	"		6.6	1.80	"	.18

DAMPER FELT SCISSORS.



One-half size cut.

No. 58. Large nickel-plated, 5½ in. long......Each, \$0.68



STRING LIFTERS.

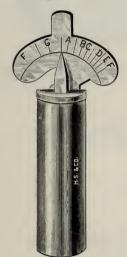


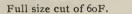
One-half size cut.

No. 60. String lifters, long bend..... Each, \$0.24



One-half size cut.







Two-third size cut of 60B, 60C and 60D.

No.	60B.	German	silver	pitch	pipes,	Α,	in nic	kel	box	Each,	\$0.12
6.6	60C.										.12
66	60D.	"	6.6	6.6	6.6	A	and	C	combined, in		
		nicke	el box							6.6	.15
4.6	60F.	Nickel-p	lated	pitch	pipes,	chr	omatio	c		6.6	.95



TUNING FORKS.



Two-third size cut.

No. 61. Polished tuning forks, A. Philharmonic. Per doz., \$1.00 Each, \$0.10 " 62. " " C. " 1.00 " .10



Two-third size cut.



Two-third size cut.

No. 62G. New international pitch, A, 435...... Per doz., \$4.75 Each, \$0.48 " 62H. " C, 517..... " 4.75 " .48



Two-third size cut.

No. 62G, H and J are guaranteed not to vary more than one vibration.



TUNING WEDGES.





One-half size cut.

No. 62B. Tuners' wedge, for upright...........Per doz., \$2.70 Each, \$0.24

FELT KNIVES.



One-half size cut.

Above prices are net and subject to change without notice.



FELT AND BUSHING KNIVES.



One-third size cut.







No. 67A. Felt knife, blade 2½ in. long........Per doz., \$1.25 Each, \$0.13 " 67B. " " 4 " " 1.45 " 15

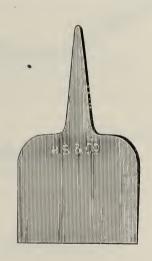
FELT AND BUSHING KNIVES.



No. 67C. Tuners' trimming knife, blade 2 in. long Each, \$0.22 '' 67D. '' '' '' 2½ '' '' .26



No. 68A. Two-third size cut.



No. 69. One-half size cut.

No.	68A.	Improved bushing knife	Each,	\$1.40
"	69.	Felt spade, 21/4 or 3 in. wide	"	.50
"	69A.	Hickory handle for No. 69	4.6	.04



FELT PICKERS.



Two-third size cut.

No. 70. Felt picker, hollow rosewood handle to hold needles... Each, \$1.00



Two-third size cut.



Two-third size cut.

No. 71D. Felt picker, rosewood handle......Each, \$1.10

SCREW-DRIVERS.

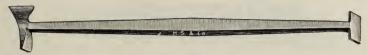


One-half size cut.

No. 72. Double head screw-driver Each, \$0.35



SCREW-DRIVERS.



One-half size cut.

No. 72A. Double-head screw-driver Each, \$0.80

SCREW-DRIVER BITS.



One-half size cut of No. 73.



One-half size cut of No. 74A.



One-half size cut of No. 75.

No.	73.	Screw-driver	bit,	7/8	in. face	Eacl	1, \$0.25
66	74A.	6.6	6.6	7/8	6.6	for piano back screws "	.25
6 6	75	6.6	6 6	5/8	6 6		.23

CAPSTAN SCREW-DRIVER.



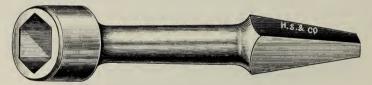
Full size cut.

No. 75B. Capstan screw-driver..... Each, \$0.50

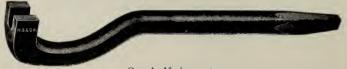
WRENCHES.



Two-third size cut.



Two-third size cut.



One-half size cut.



PIANO SCREW-DRIVERS.



No. 77. With octagon rosewood handle.

Blade, 2	3	4	5	6	7	8	9	10	11	12 in.
Per doz., \$2.0	5 2.15	2.70	3.15	3.70	3.90	4.20	4.50	4.95	5.65	6.15
Each, .2	.22	.27	.32	.37	.39	.42	.45	.50	.57	.62

No. 77A. With octagon rosewood handle. Thin blade.

Blade,	2	3	4	5	6	7	8	9	10 in.
Per doz., \$2	.05	2.15	2.70	3.15	3.70	3.90	4.20	4.50	4.95
Each,	.20	.22	.27	.32	.37	.39	.42	,45	.50

No. 78. Without handle. Blade only.

Blade	, 3	4	5	6	7 .	8	9	10	11	12 in.
Per doz.,	\$1.10	1.50	1.85	2.25	2.65	3.00	3.25	3.50	4.00	4.50
Each,	.11	.15	.19	.23	.27	.30	.33	.35	.40	45

No. 78A. Without handle. Thin blade only.

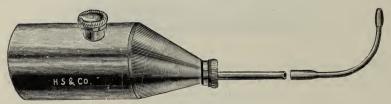
Blade	e, 3	4	5	6	7	8	9	10 in.
Per doz.,	\$1.10	1.50	1.85	2.25	2.65	3.00	3.25	3.50
Each,	.11	.15	.19	.23	.27	.30	.33	.35

No. 79. Octagon rosewood handles only.

	No. 1	2	3	$_4$	5	6	7	8
Ferrules,	3/8	7 1 6	7 16	1/2	1/2	5/8	3/4	7/8 in.
Thickness,	3/4	3/4	7/8	1	$1\frac{1}{16}$	11/8	11/4	13/8 in.
Length,	4	41/4	41/2	43/4	5	51/2	6	6 in.
Each,	\$0.09	.11	.12	.13	.14	.14	.15	.17



HAMMER-SHANK BURNING LAMPS.



Two-third size cut.

No. 81A. Hammer-shank burning lamp, with wick................ Each, \$0.95



Two-third size cut.

No. 81B. Vest-pocket hammer-shank burning lamp, with wick, Each, \$0.30

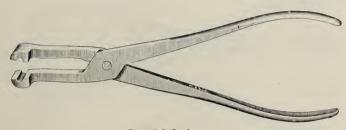


Two-third size cut.

No. 81C. Hammer-shank burning lamp, with wick..... Each, \$0.60



HAMMER-SHANK TONGS.

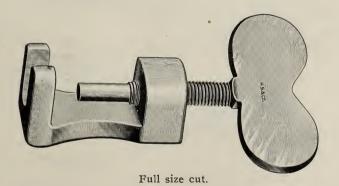


One-third size cut.

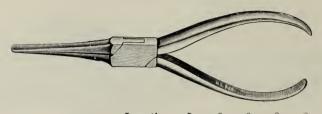
No. 82. Hammer-shank tongs, 10-inch, forged steel..........Each, \$1.25

" 82B. " " 11 " " hole in jaw slightly curved....... " 1.75

HAMMER-SHANK EXTRACTORS.



PLYERS.



	Length,	5	6	6	8	8	9 in.
	Width of nose,	1/4	1/4	3/8	3/8	1/2	½ in.
No. 84.	Swanbill plyersEach,	\$0.39	.50	.50	.84	.84	.92



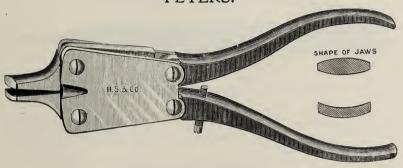
One-third size cut.



One-third size cut.

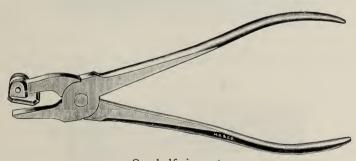
No. 84B. Action regulating plyers, either No. 1, 2 or 3 sweep... Each, \$1.60

PLYERS.



One-half size cut.

KEY PLYERS.



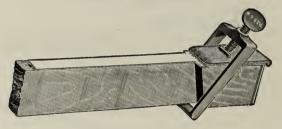
One-half size cut.



FLOAT FILES, FOR IVORY.

HS,& Co											
		6	7	8	9	10	11	12			
No. 87.	BastardPer	doz., \$1.08	1.23	1.35	1.68	1.88	2.35	2.68			
	Eac	ch, .11	.12	.14	.17	.19	.24	.27			
" 88.	Smooth Per	doz., 1.40	1.58	1.68	2.08	2.35	2.95	3.38			
	Eac	ch, .14	.16	.17.	21	.24	.30	.34			

IVORY CLAMPS.



One-half size cut.

No. 88D. For holding ivory or celluloid tops while gluing... Per doz., \$2.00 Each, .20



One-half size cut.

No. 88E. For holding ivory or celluloid fronts while gluing. Per doz., \$1.75 Each, .15

IVORY SPRINGS.



One-half size cut.

Perdoz, Each.

No. 88A. Springs for holding ivory or celluloid tops while gluing .. \$0.60 \$0.06

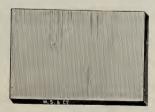
ROUGHING IRONS.



One-half size cut.

No. 88B. ½ inch wide, extra fine teeth......Per doz., \$4.50, Each, \$0.45 " 88B. 1 " " 4.50, 4.50, 4.50

IVORY SCRAPERS.



Size, 2½x13/8-15/8 25/8 x21/8 37/8 x31/4 in.

No. 88C. Scrapers for ivory, Each, \$0.10 .10 .20 .15 Inglish standard gauge.



PIANO GLUE POTS.

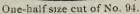


One-third size cut of No. 93.

No.	93.	Tin, with copper boilers	Each,	\$1.35
		Lamps only, for No. 93		
		Extra burners for either alcohol, keresene or lard oil,*		
		for No. 93	6.6	.07
6.6	93C.	Copper boilers only, inside, for No. 93	6.6	.35
		" " outside, " 93		.40
	*	No 93 will be sent with alcohol burners unless otherwise ordere	d.	

PIANO GLUE POTS.







No. 97

No. 94. Tuners' brass pocket glue pot for alcohol............ Each, \$0.85

No. 0 1 2 3

Holds 1 1½ 2 3 Pts.

No. '97. Kerosene glue pots with copper cup, Each, \$1.50 1.75 2.00 2.30

GAS STOVES.



No. 99A. Vulcan single burner 31/4 in. high, top 6 in. in diameter, Each, \$0.55



GLUE POTS.



No. 000 00 0 1 2 3 4 5

No. 98. Iron glue pots, tinned

inside. Per doz., \$3.65 4.00 4.40 4.95 6.15 7.50 9.10 10.65 12.70 Each, .37 .40 .44 .50 .62 .75 .91 1.07 1.27

" 99. Inside pots only....

Per doz., 1.83 2.00 2:20 2.48 3.08 3.75 4.55 5.33 6.35 Each, .18 .20 .22 .25 .31 .38 .46 .53 .64

CUTTING NIPPERS.



Will not cut steel music wire. With interchangeable jaws.

		8	10	12	14 ir.
No. 101.	Carew's patentEach	, \$1.80	2.03	2.34	2.70
" 102.	Extra jawsPer pair	, .25	.27	.30	.32

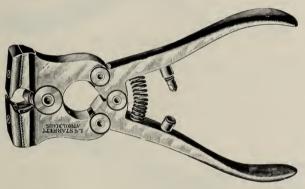


CUTTING NIPPERS.



Will not cut steel music wire. Interchangeable jaws.

	7 1/2	9	11	12	13 in.
No. 102A. MeridanEach,	\$0.60	.72	.85	.95	1.08



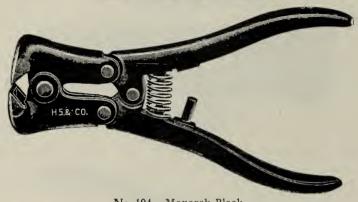
Starrett's with adjustable jaws, which can be taken off, ground and replaced.

		$5\frac{1}{2}$	7 in.
No.	.105B. Will cut steel music wire	\$1.70	\$2.13
44	105D. Will not cut steel music wire	1.70	2.13
44	105C. Extra jaws for No. 105B	.43	.43
44	105E. " " " 105D "	.43	.43
	The No. 105B, 51/2 in., will cut steel music wire up to No.	25: the	7 1/2 in

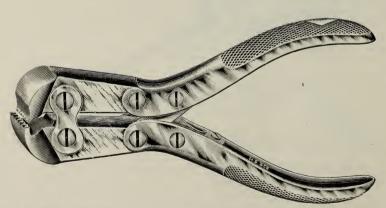
The No. 105B, $5\frac{1}{2}$ in., will cut steel music wire up to No. 25; the $7\frac{1}{2}$ in., up to No. 32.



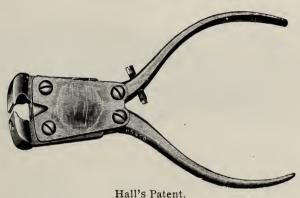
CUTTING NIPPERS.



No. 104. Monarch Black.



CUTTING NIPPERS.

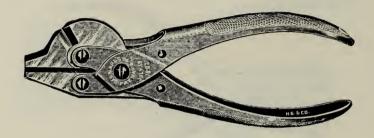


Will not cut steel music wire.

No	. 1	2	3	4	6
	4	5	6	7	8 in.
No. 106. BlackEach,	\$0.72	.87	1.18	1.27	1.45
" 106A. Nickel-plated "	1.00	1.18	1.47	1.58	
" 106C. Black, with flush jaws "		.94	1.29	1.38	
" 107. Extra jaws. Polished "	.20	.21	.25	.28	.34
			5	6	7 in.
			5	6	7 in.
No. 106B. Black			\$0.94 .26	1.29 .31	1.38 .34
Extra Sp	orings.				
No	. 1	2	3	4	6
No. 108	*.05	.05	.05	.05	.08



CUTTING PLYERS.



Will not cut steel music wire.

Bernard's open throat, parallel jaws. Steel, nickel-plated.

4½ 5½ 6½ 7½ in.

No. 108K. Each, \$0.77 .97 1.17 1.57

SIDE CUTTING PLYERS.



Will not cut steel music wire.

		41/2	5	51/2	6	61/2	7	8 in.
No. 108C.	Stubs' black Each,	\$0.83	.83	.83	.92	1.17	1.50	2.00
" 108M.	P. S. & W. black "		.75		.80		1.02	1.20
" 108N.	" nickel-plated "		.87		.93			

FLAT NOSE PLYERS.

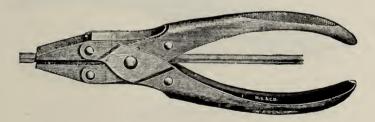


No. 108D. Cast steel, polished.

	4 1/2	5	51/2	6	61/2	7	8 in.
Per doz	\$2.70	3.15	3.50	5.00	5.50	6.30	7.50
Each	.27	.32	.35	.50	.55	.63	.75

No. 108O. Hand-forged steel, black, best quality.

			-		51/2	6	61/2	7	8 in.
Per doz	\$3.38	3.38	3.38	3.75	4.35	5.10	6.00	7.05	9.00
Each	.34	.34	.34	.38	.44	.51	.60	.71	.90



Bernard's all steel, nickel-plated. Open throat, parallel jaws.

	41/2	51/2	6½ in.
No. 108L. Per doz.,			
Each,	.47	.60	.74

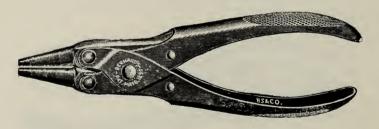


ROUND NOSE PLYERS.



No. 108P. Hand forged steel, black, best quality.

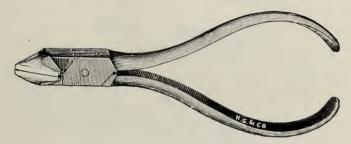
	31/2	4	41/2	5	51/2	6	61/2	7	8 in.
Per doz.,	\$3.38	3.38	3.38	3.75	4.35	5.10	6.00	7.05	9.00
Each,	.34	.34	.34	.38	.44	.51	.60	.71	.90



Bernard's all steel, nickel-plated. Open throat, parallel jaws.

	41/2	51/2	6½ in.
No. 108JPer doz.,	\$5.12	5.68	8.04
Each,	.47	.60	.74

SIDE CUTTING NIPPERS.



Will cut steel music wire up to No. 6.

			5	$5\frac{1}{2}$	6 in.
No. 108B.	Stubs'	BlackEach	\$0.88	.96	1.17

PLANES.



No.	100.	Small iron piano plane, japanned.	3½ in. long, 1 in. cutter.
		Each,	\$0.10
46	100A.	Small iron piano plane, nickeled.	3½ in. long, 1 in. cutter.
		Each	

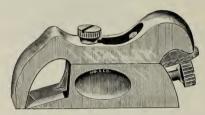




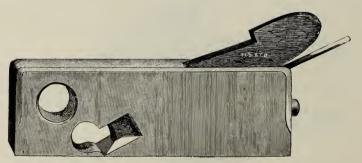
PLANES.



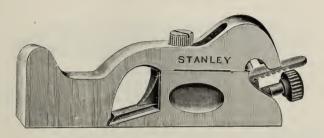
No. 100C. Iron block plane, 3½ in. long, 1 in. cutter..... Each, \$0.14



No. 100D. Adjustable bull-nose rabbet plane, 4 in. long, 1 in. cutter.



PLANES.



No. 130.	Rabbet plane. Iron, nickel-plated, 5½ in. long, 3/ in. cutter. Each, \$1.52
" 131.	34 in. cutter
" 132.	Rabbet plane. Iron, nickel-plated, 7½ in. long, 1¼ in. cutter



No.	112.	Iron smooth plane, nickel-plated, 73/8x17/8 in., with 1½ in. cutter	ach,	\$6.75
6.6	112A.	Iron smooth plane, polished, 7\% x1\% in., with 1\%		
	,,	Iron smooth plane, polished, 7½x1½ in., with 1½ in. cutter	6.6	3.25
6.6	113.	Iron smooth plane, nickel-plated, 8x2 1/2 in., with 13/2		
	,,,,	Iron smooth plane, nickel-plated, 8x2½ in., with 1¾ in. cutter	6.6	7.25
6.6	113A.	Iron smooth plane, polished, 8x2 1/2 in., with 13/2 in.		
		Iron smooth plane, polished, 8x2 1/8 in., with 13/4 in. cutter	66	3.60
6.6	113B.	Iron smooth plane, nickel-plated, 87/8x21/4 in., with		
	,,,,,	1% in. cutter	6.6	7.75

PLANES.



No. 116.



- No. 120.



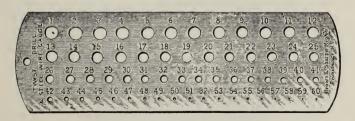
PIANO BELLOWS.



No. 122C.	16-in.	cylinder	maple	ebonized	trimmin	gs	Each,	\$1.25
" 122D. 1	18-in.	6.6	4.6	6.6	6.6			1.60



TWIST DRILL AND STUBS' STEEL WIRE GAUGES.



No.	125G.	Morse	polished, No	os. 1 to	60	Each,	\$1.35
"	125H.	Brown	& Sharpe's	black,	Nos. 1 to 60	"	1 28
6.6	125J.	6.6	"	6.6	" 61 to 80	6.6	1.70



MUSIC WIRE GAUGES.



	123.	Brown and Sharpe's, Round, Nos. 12 to 28		
	125.	"Oblong, "6 to 28, with half numbers		
	120.	from 9½ to 17½	46	1.50
44	127.	H. S. & Co.'s Round, Nos. 6 to 28	6.6	-1.50
	128.	" Oblong, " 0 to 30		1.50

Our F. & G. Steel Music Wire is measured by the H. S. & Co. Gauge.



Front view.



Back view.

One-half size cuts.

No. 125F. Brown & Sharpe's, polished. Each, \$2.13

TUNERS' SATCHELS.



Patent leather board, covered with best quality seal-grain leather, flannel lined, nickel-plated trimmings, metal knobs on bottom. Sizes given are inside measurements.

TUNERS' ROLLS.

Best quality seal-grain leather, lined with oil dressed chamois skin, leather straps, and handle for convenience in carrying.

Icut	TICI DE	raps,	and namere	ior convenience in carrying.	
No.	161.	Size	when open,	27x13½ inEach,	\$4.00
44	162.	"	"	20x12½ in	3.65
44	163.			27x13½ in. has both seal-grain leather	
		an	d chamois sl	kin inside flap "	4.75

N the following pages we give the details of six sets of Tools for Piano Tuners and Regulators. We have embodied in these sets such tools as we have found, in an experience covering many years, to be most called for, and in our judgment most generally useful.

The range of prices is made possible by the varying quantity, rather than quality of the tools, and in fact we carry only one quality—and that is the best. We ask you to bear this particularly in mind when comparing our prices with those of cheaper goods.

HAMMACHER, SCHLEMMER & CO..

209 Bowery, New York.
Since 1848.



TUNERS' KITS.

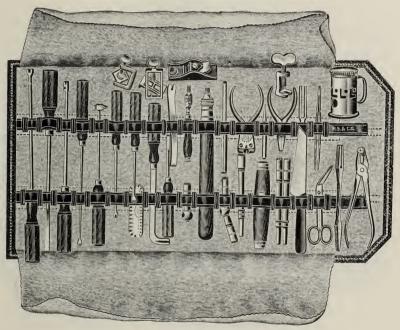


Illustration of Kits Nos. 171 and 172.

Tuners' Kit No. 171 contains 32 strictly high grade tools, a satchel and roll, as listed on following page.

Per set......\$38.75

Tuners' Kit No. 172 contains the same assortment of tools as No. 171, but is without satchel and has No. 163 roll in place of No. 161. See page 53 describing No. 163 roll.

Per set......\$34.75



TUNERS' KIT, No. 171.

(For Price &c. See Page 55.)

No. 02B. Mueller Extension Hammer, star head.

No. 14. Socket Tuning Hammer, square head.

No. 17. Extra Oblong Tube.

No. 23. Double Oblong Head.

No. 45B. Tuning Pin Extractor.

No. 46. Punch for Broken Tuning Pins.

No. 46A. Punch for Driving out Center Pins.

No. 48. Straight Action Regulator, handled.

No. 48E. Spoon Bender, handled.

No. 49. Regulating Screw-driver, 3½ in., handled. No. 50. Regulating Screw-driver, 7 in., handled.

No. 51. Key Spacer, 9 inches, handled.

No. 54. Straight Back Check Spacer, handled.

No. 56. Piano Tweezers, 6 inches.

No. 58. Damper Felt Scissors

No. 60. String Lifter.

No. 62B. Tuners' Wedge.

No. 62H. Tuning Fork.

No. 66. Felt Knife.

No. 70. Felt Picker.

No. 72. Double Head Screw-driver, handled.

No. 77. Screw-driver, 3 inches, handled.

No. 77. Screw-driver, 8 inches, handled.

No. 83D. Hammer Shank Extractor.

No. 85. Key Plyers.

No. 88D. Ivory Clamp for Tops.

No. 88E. Ivory Clamp for Fronts.

No. 94. Pocket Glue Pots.

No. 100A. Small Iron Plane

No. 106B. Halls' Nipper, 5 inch.

No. 108D. Flat Nose Plyers, 5 inch.

No. 128. Music Wire Guage.

No. 151. Satchel.

No. 161. Roll.

TUNERS' K!T.

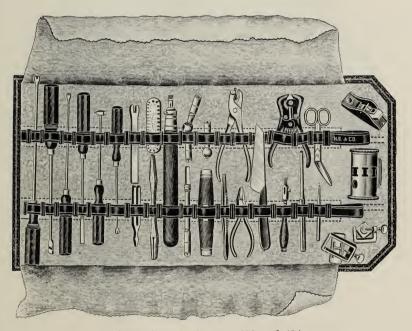


Illustration of Kits Nos. 173 and 174.

Tuners' Kit No. 173 contains 26 strictly high grade tools, a satchel and roll, as listed on following page.

Per set......\$33,00

Tuners' Kit No. 174 contains the same assortment of tools as No 173, but is without satchel and has No. 163 roll in place of No. 161. See page 53 describing No. 163 roll.

TUNERS' KIT, No. 173.

(For Price &c. See Page 57.)

No. 2A. Extension Hammer, Star Head.

No. 14. Socket Tuning Hammer, Square Head.

No. 23. Double Oblong Head.

No. 46. Punch for broken tuning pins.

No. 46A. Punch for driving out center pins.

No. 48. Straight Action Regulator, handled.

No. 50. Regulating Screw-driver, 7 in. handled.

No. 51. Key Spaces, 9 in. handled.

No. 54. Straight Back Check Spacer, handled. No. 56. Piano Tweezers, 6 in.

No. 58. Damper Felt Scissors.

No. 60. String Lifter.

No. 62B. Tuners' Wedge.

No. 62H. Tuning Fork.

No. 66, Felt Knife.

No. 70. Felt Picker.

No. 72. Double Head Screw-driver, handled No. 77. Screw-driver, 6 in., handled.

No. 86. Key Plyers.

No. 88D. Ivory Clamp for tops.

No. 88E. Ivory Clamp for fronts.

No. 94. Pocket Glue Pot.

No. 100. Small Iron Plane.

No. 104. Monarch Cutting Nipper, 51/2 in.

No. 108D. Flat Nose Plyers, 5 in.

No. 128. Music Wire Gauge.

No. 151. Satchel.

No. 161. Roll.

TUNERS' KITS.

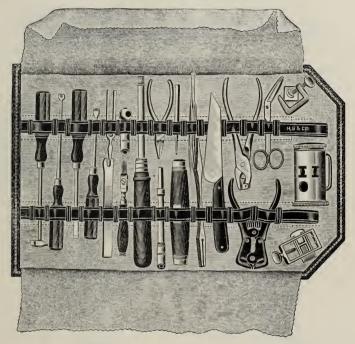


Illustration of Kits Nos. 175 and 176.

I uners' Kit No. 175 contains 20 strictly high grade tools, a satchel and
roll, as listed on following page.
01 0
Per set\$23.50
Tuners' Kit No. 176 contain the same assortment of tools as No. 175 but
tuners 12tt 140, 176 contain the same assortment of tools as No. 176 but

is without satchel, simply having the roll.

TUNERS' KIT No. 175.

(For Description, Price, &c., See Page 59).

No. 8. Upright Tuning Hammer, star head.

No. 14. Socket Tuning Hammer, square head.

No. 46A. Punch for Driving out Center Pins.

No. 49. Regulating Screw-driver, 31/2 in., handled.

No. 54. Straight Back Check Spacer, handled.

No. 56. Piano Tweezers, 6 in.

No. 58. Damper Felt Scissors.

No. 60. String Lifter.

No. 62B. Tuners' Wedge.

No. 62H. Tuning Fork.

No. 66. Felt Knife.

No. 70. Felt Picker.

No. 72. Double head Screw-driver, handled No. 77. Screw-driver, 4 in., handled.

No. 86. Key Plyers.

No. 88D. Ivory Clamp for Tops.

No. 88E. Ivory Clamp for Fronts.

No. 94. Pocket Glue Pot.

No. 104. Monarch Cutting Nipper, 51/2 in.

No. 108D. Flat Nose Plyers, 5 in.

No. 152. Satchel.

No. 162. Roll.

The above kit is made with the same quality of tools and with the same care as the sets preceding.



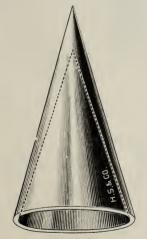
ORGAN TUNERS' CONES.



No. 1000. Set of 3 (sizes, 1 x 8, 1¼ x 8½, 13% x 10 in.) made of selected lignum-vitæ; highly polished.........Per set, \$1.65

1000A. Selected lignum-vitæ, highly polished, 1¾x11in., Each, .65









No. 7. 4 5

6

3

No. 1



PIPE-MAKERS' CONES.

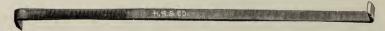


REED ORGAN HOOK.



No. 1010. Length, 81/8 in..... Per 100, \$1.00 Per doz., \$0.20

REED SCRAPER.





LEAD FLOAT FILE.



REED FILES.



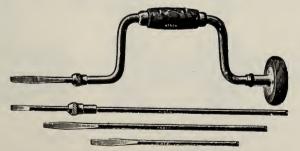
Length, $\frac{3\frac{1}{2}}{4}$ 4 4 $\frac{1}{2}$ 5 in. Width, $\frac{1}{4}$ 3/8 3/8 $\frac{7}{16}$ in.

No. 1008. Stubs' imported, with 1 safe edge, bastard. Per doz. \$1.62 1.88 2.07 2.55 Each, .17 .19 .21 .26

No. 1008A. " " 1 " smooth..Per doz., 1.77 2.18 2.52 3.00

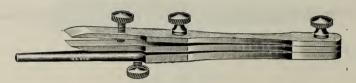
Each, .18 .22 .26 .30

ORGAN BUILDERS' BRACE SCREWDRIVER.





PERFLING TOOL.



One-half size cut.

POST SETTER AND REGULATOR.



One-third size cut.

No. 1505. Black Each, \$0.30

CLAMPS.



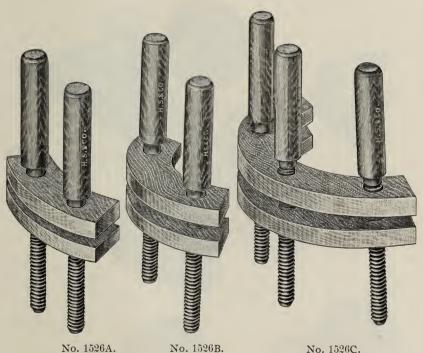
No. 1525A. Spindle, ½ in., jaws open 2¾ in. faced with chamois skin.................Per doz., \$1.75 Each, \$0.18

2.10 ''

.20



CLAMPS.



One-third size cuts.

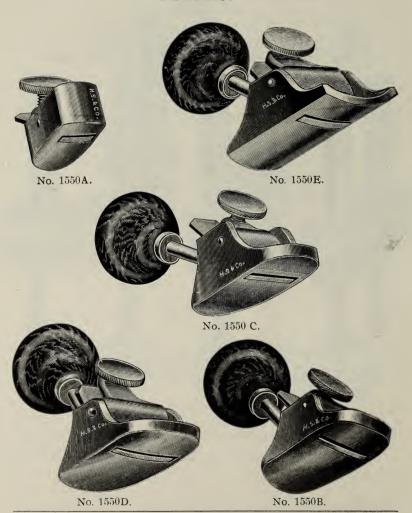
No. 1526A. Spindles, $\frac{9}{16}$ in., jaws open $4\frac{1}{4}$ in... Per doz., \$2.50 Each, \$0.25

" 1526B. " $\frac{9}{16}$ in., " $4\frac{1}{4}$ in... " 3.15 .32

" $\frac{9}{16}$ in., " $4\frac{1}{4}$ in... " 4.50" 1526C. .45



PLANES.—Full size cuts.



For prices see following page.



PLANES.

Full size cut.



No. 1550F.

No.	1550A	1550B	1550C	1550D	1550E	1550F
Each	\$0.85	.85	.85	.85	.85	.85

When sold separately a handle is furnished with each plane except No. 1550A.

No. 1551. Set of 6 with one interchangeable handle to set.... Per set, \$3.85

REAMERS.



One-half size cut.

In Addition to Piano Tools, we also carry a full line of

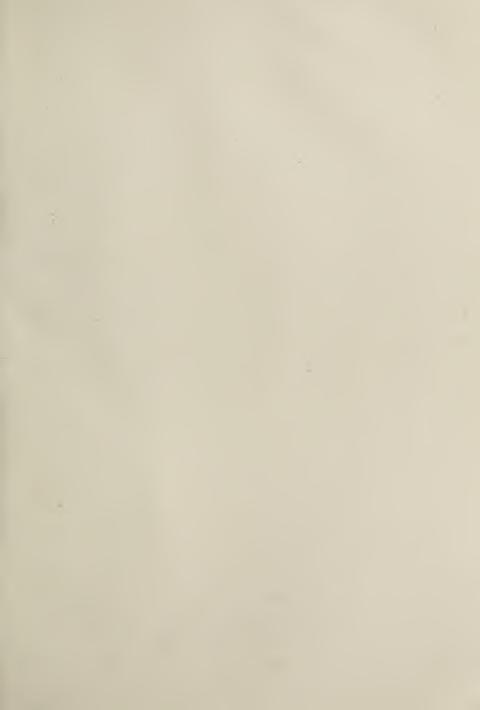
TOOLS for WOOD WORKERS,
for MACHINISTS and
METAL WORKERS,
for WOOD CARVERS,
for PLASTER CARVERS,
Etc., Etc.

ALSO A FULL LINE OF

PIANO HARDWARE,
CABINET HARDWARE,
BUILDERS' HARDWARE,
and BOLTS, SCREWS,
and FACTORY SUPPLIES.

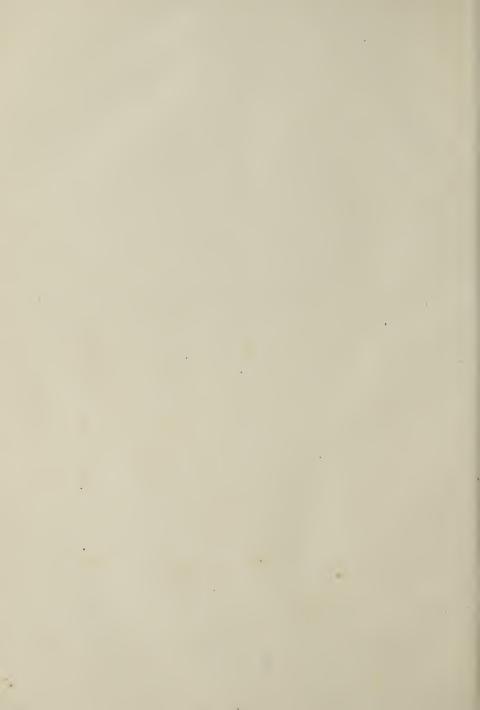
Hammacher, Schlemmer & Co.

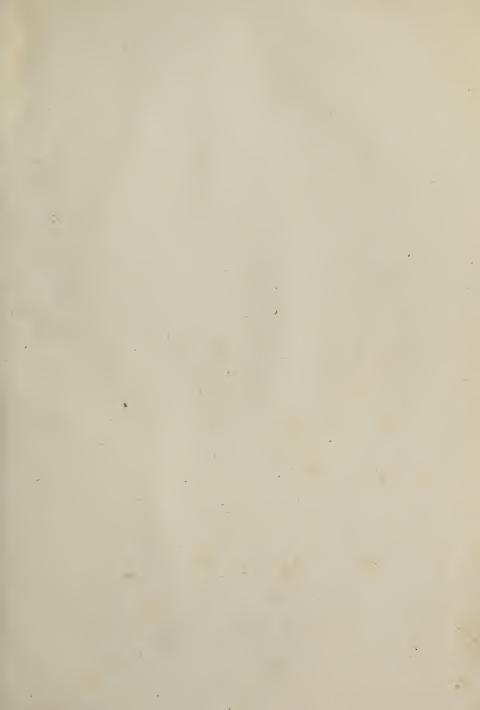
209 BOWERY, NEW YORK, SINCE 1848.













CATALOGUE No. 142

HAMMACHER, SCHLEMMER & CO. 209 Bowery, NEW YORK, Since 1848

